



A.D. 1807 N° 3081.

S P E C I F I C A T I O N

OF

JOSEPH JEWELL.

PREPARATION OF CALOMEL FOR
MEDICINAL USE.

L O N D O N :

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JEWELL'S SPECIFICATION.

TO ALL TO WHOM THESE PRESENTS SHALL COME, I, JOSEPH JEWELL, of Stratford-le-Bow, in the County of Essex, Chymist, send greeting.

WHEREAS His most Excellent Majesty King George the Third did, by His Letters Patent under the Great Seal of the United Kingdom of Great Britain and Ireland, bearing date at Westminster, the Seventeenth day of November last, reciting that whereas I, the said Joseph Jewell, had, by my petition humbly presented unto His Majesty, that I had invented or discovered
“A METHOD OF PREPARING OR REDUCING TO AN IMPALPABLE POWDER FOR MEDICINAL USE THE SUBSTANCE COMMONLY CALLED OR KNOWN BY THE NAME OF CALOMEL,
10 WHEREBY THE PROCESS USUALLY EMPLOYED OF LEVIGATING THE SAME IS RENDERED UNNECESSARY,” His Majesty did, by His especial grace, certain knowledge, and meer motion, for Himself, His heirs and successors, give and grant unto me, the said Joseph Jewell, my executors, administrators, and assigns, His especial licence, full power, sole privilege and authority, that I, the said Joseph Jewell
15 my executors, administrators, and assigns, by myself and themselves, or by mine or their deputies, servants, or agents, or such others as I, the said Joseph Jewell, my executors, administrators, or assigns, should at any time agree with, and no others, from time to time and at all times hereafter during the term of years therein expressed, to make, use, exercise, and vend my said Invention
20 within that part of the Kingdom of Great Britain called England, the Dominion of Wales, and Town of Berwick-upon-Tweed, in such manner as to me, the said Joseph Jewell, my executors, administrators, and assigns, or any of them, in my or their descretion should seem meet; to have, hold, exercise, and enjoy the said licence, powers, privileges, and advantages to me, the said Joseph Jewell, my

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executors, admors, and assigns, for the term of fourteen years from the date of the said recited Letters Patent; in which said Letters Patent is contained a proviso that if I, the said Joseph Jewell, should not particularly describe and ascertain the nature of my said Invention, and in what manner the same is to be performed, by an instrument in writing under my hand and seal, and 5 cause the same to be inrolled in His Majesty's High Court of Chancery within one calendar month next and immediately after the date of the said Letters Patent, that the said Letters Patent, and all liberties and privileges thereby granted, should utterly cease, determine, and become void, as by the said Letters Patent, relation being thereunto had, will more fully and at large 10 appear.

NOW KNOW YE, that I, the said Joseph Jewell, in pursuance of the said proviso in the said Letters Patent contained, do hereby describe and ascertain the nature of my said Invention, and in what manner the same is to be performed, as follows:—

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Calomel, or mercurius dulcis, as usually prepared is, at first, a hard crystalline substance, and requires to be pounded and triturated with water, either in a mortar or on a slab with a muller, or in a mill; after having been ground or triturated for a considerable time, more water is added, and the whole well stirred up. The finer particles, which remain suspended for a short time, 20 being poured off with the water into another vessel, and left to subside, the water is then decanted, and the fine powder dried for use. The coarser particles are again submitted to the operations of grinding and washing over, until the whole be finished.

Now, the nature of my Invention is to produce the effect of the grinding or 25 trituration above described in a more perfect manner during the last sublimation of the calomel, which I do as follows:—I take calomel or mercurius dulcis broken into small pieces, and put into an earthen crucible of the form of a long barrel, so as to fill about one half thereof; I place the crucible on its side in a furnace provided with an opening, through which the mouth of the 30 crucible projects about an inch; I then join to the mouth of the crucible an earthenware receiver having an opening at its side to receive the open end of the crucible; this receiver is about half filled with water. I lute the joint with a mixture of sand and pipe clay. The receiver has a cover, which cover has a side continued upwards for containing water, with a chimney or tube in it to 35 allow the escape of steam from water below. I then apply a fire around the crucible, sufficient to raise the calomel in vapour, and force it through the mouth of the crucible into the receiver, where by the water while cold, or assisted by the steam, when it becomes hot, it is instantly condensed into an

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impalpable powder, possessing all the qualities of calomel in its most perfect state, which, when thus prepared, is purer, whiter, and more attenuated than that obtained by grinding. It is proper to wash the product over with water before it is dried, to rid it of any coarser particles which may form about the 5 mouth of the crucible.

My Patent does not rest upon any particular shape or composition of the apparatus, or any part thereof; but that which I claim as my discovery to be secured to me is the rendering of calomel or mercurius dulcis fit for medicinal use by a sublimation or distillation, so conducted as suddenly to condense the 10 vapours and prevent the concretion or cristallisation of the product, thus rendering trituration, or what is commonly termed levigation, unnecessary.

In witness whereof, I, the said Joseph Jewell, have hereunto set my hand and seal, the Fourteenth day of December, in the year of our Lord One thousand eight hundred and seven.

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JOSEPH JEWELL (L.S.)

AND BE IT REMEMBERED, that on the same Fourteenth day of December, in the year of our Lord One thousand eight hundred and seven, the aforesaid Joseph Jewell came before our Lord the King in His Chancery, and acknowledged the Specification aforesaid, and all and every thing therein 20 contained and specified, in form above written. And also the Specification aforesaid was stamped according to the tenor of the Statute made for that purpose.

CAMPBELL.

Inrolled the Fourteenth day of December, in the year of our Lord One thousand eight hundred and seven.

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